

DPW



Attorney's Docket No. 42P17104

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:)
)
Remus Nicolaescu et al.)
)
Application No.: 10/659,009)
)
Filed: September 10, 2003)
)
For: METHOD AND APPARATUS)
FOR RAMAN RING RESONATOR)
BASED LASER/WAVELENGTH)
CONVERTER)

Examiner: Not Yet Assigned
Art Unit: 2874

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on July 20, 2005.
(Date of Deposit)

Luci Arevalo
(Typed or printed name of person mailing correspondence)

(Signature of person mailing correspondence)

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

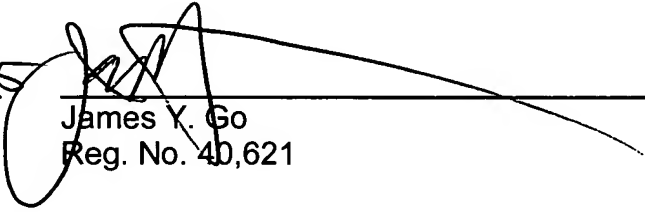
- X 37 C.F.R. §1.97(b).
- 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:
- A statement pursuant to 37 C.F.R. §1.97(e) or
- A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).
- 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:
- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
 - (2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 7-19, 2005


James Y. Go
Reg. No. 40,621

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025
(206) 292-8600

Substitute for Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/659,009
Filing Date	September 10, 2003
First Named Inventor:	Remus Nicolaescu et al.
Art Unit	2874
Examiner Name	Unknown
Attorney Docket Number	42P17104

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	1	US-	4,389,617	06-21-1983	Kurnit	
	2	US-	4,571,727	02-18-1986	Nishizawa et al.	
	3	US-	4,812,682	03-14-1989	Holmes	
	4	US-	5,033,051	07-16-1991	Werner	
	5	US-	5,673,281	09-30-1997	Byer	
	6	US-	5,832,006	11-03-1998	Rice et al.	
	7	US-	6,388,800 B1	05-14-2002	Christodoulides et al.	
	8	US-	6,433,922 B1	08-13-2002	Ghera et al.	
	9	US-	6,456,425 B1	09-24-2002	Foursa et al.	
	10	US-	6,519,082 B2	02-11-2003	Ghera et al.	
		US-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	11	PCT/US	03/34377		09-28-2004	PCT International Search Report		
	12	DE	4113354 A1		10-29-1992	Siemens AG		
	13	EP	0561672 A1		09-22-1993	Commissariat A L'energie Atomique		
	14	EP	0482630 A1		04-29-1992	Sumitomo Electric Industries, Ltd.		
	15	GB	2373628 A		09-25-2002	Queen Mary & Westfield College		
	16	JP	62-120090		06-01-1987	Aoki		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/659,009
				Filing Date	September 10, 2003
				First Named Inventor:	Remus Nicolaescu et al.
				Art Unit	2874
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	42P17104
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	17	CLAPS, R. et al., "Stimulated Raman Scattering in Silicon Waveguides", <i>ELECTRONICS LETTERS</i> , Vol. 38, No. 22, 24 October 2002.			
	18	CLAPS, R. et al., "Observation of Raman Emission in Silicon Waveguides at 1.54 μ m", <i>OPTICS EXPRESS</i> , Vol. 10, No. 22, 4 November 2002, pp. 1305-1313.			
	19	CLAPS, R. et al., "Observation of Stimulated Raman Amplification in Silicon Waveguides", <i>OPTICS EXPRESS</i> , Vol. 11, No. 15, 28 July 2003, pp. 1731-1739.			
	20	RALSTON, J. M. et al., "Spontaneous-Raman-Scattering Efficiency and Stimulated Scattering in Silicon", <i>Physical Review B</i> , Vol. 2, No. 6, 15 September 1970, pp. 1858-1862.			
	21	SAITO, T. et al., "Spontaneous Raman Scattering In [100], [110], and [11-2] Directional GaP Waveguides", <i>Journal of Applied Physics</i> , Vol. 90, No. 4, 15 August 2001, pp. 1831-1835.			
	22	SAITO, T. et al., "Raman Gain and Optical Loss in AlGaP Waveguides", <i>Journal of Applied Physics</i> , Vol. 87, No. 7, 1 April 2000, pp. 3399-3403.			
	23	SUTO, K. et al., "Semiconductor Raman Amplifier for Terahertz Bandwidth Optical Communication", <i>Journal of Lightwave Technology</i> , Vol. 20, No. 4, April 2002, pp. 705-711.			
	24	TANG, C.K. et al., "Development of a Library of Low-Loss Silicon-On-Insulator Optoelectronic Devices", <i>IEEE PROCEEDINGS: OPTOELECTRONICS</i> , Vol. 143, No. 5, October 1996, pp. 312-315.			

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.